

IS 5630 : 1994
(Reaffirmed 2004)
(Reaffirmed 2014)

भारतीय मानक

प्रसूति सम्बंधित क्रिब (पालना) – विशिष्ट

(पहला पुनरीक्षण)

Indian Standard

CRIBS (CRADLES), MATERNITY —
SPECIFICATION

(*First Revision*)

UDC 615:478-2 : 684:426:2



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BUREAU OF INDIAN STANDARDS
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NEW DELHI 110002

MAX. RETAIL PRICE
INCL. OF ALL TAXES
₹ 90 ..

April 1994

Price Group 1

Hospital Equipment Sectional Committee, MHD 14

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Hospital Equipment Sectional Committee had been approved by the Medical Equipment and Hospital Planning Division Council.

This standard was first published in 1970. The first revision of this standard has been done on the basis of the technological developments which have taken place since then. In this revision, changes have been made for the fabrication of frame for cradle to overcome some of the design deficiencies and to provide a strong rigid support which will withstand the side thrust applied to rock it. The modification in stand and crib has also been made to reduce the cost of the product.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard
**CRIBS (CRADLES), MATERNITY —
 SPECIFICATION**
(First Revision)

1 SCOPE

1.1 This standard specifies dimensions and other requirements for maternity cribs (cradles).

2 REFERENCES

2.1 The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
1068 : 1985	Electroplating coatings of nickel plus chromium and copper plus nickel plus chromium on iron and steel (<i>second revision</i>)
4033 : 1968	General requirements for hospital furniture

3 MATERIAL**3.1 Tube**

The material used for the tube shall be in accordance with 2.1 of IS 4033 : 1968.

3.2 Rod and Wire

The rod and wire used shall be of cold-rolled or hot-rolled mild steel.

3.3 Sheet

The sheet used shall be of mild steel.

3.4 Shoes

Shoes shall be made of the elastomeric materials which are hard, wear resistant and non-thermo-setting with a metallic insert to meet the bare end of the pipe.

4 SHAPE AND DIMENSIONS

4.1 Shape and dimensions shall conform to Fig. 1. Dimensional tolerance of $\pm 2\%$ shall be allowed.

5 MANUFACTURE**5.1 Stand**

5.1.1 The stand shall have a welded framework of continuous lengths of mild steel tubes as shown in Fig. 1. The two end supports, each consisting of a bow with a central vertical member, shall be joined by two longitudinal members. A vertically disposed hook shall be provided on each central

vertical member for suspending the cradle. If required by the purchaser, the hooks shall be so designed as to prevent the cradle from rocking. One of the vertical member shall have a provision to receive an L-shaped pole for mosquito curtain. The pole shall be capable of being swung to any position and fixed by means of knob which shall be free and easy to operate by hand. The legs of the bows shall be fitted with PVC or rubber shoes as detailed in 3.4.

5.2 Crib (Cradle)

5.2.1 It shall be of welded construction as shown in Fig. 1. The filling rods shall be joined to the upper and lower frames either by rivetting or by spot welding in such a way that there are no protruding edges. The number of filling rods for ends and sides shall be as shown in the Fig. 1. The bottom of the cradle shall be obtained either by rivetting or spot welding the filling rods to the sides of the lower frame or by joining a mild steel sheet (plain or perforated), cut to size, to the sides and ends of the lower frame with one reinforcing stay widthwise.

5.3 The overall construction of the crib and the stand shall be sturdy and shall also conform to the requirements laid down in 4.1 of IS 4033 : 1968.

6 WORKMANSHIP AND FINISH

6.1 Requirements laid down in 5 of IS 4033 : 1968 shall be complied with.

6.2 Construction of the crib and the stand shall be such that the crib swings truly and uniformly, and during swinging the stand base shall be stable.

6.3 L-shaped pole for mosquito curtain shall be plated chromium over nickel in accordance with Service Grade No. 3 of IS 1068 : 1985.

7 TEST**7.1 Adhesion Test**

The test shall be carried out as prescribed in 6.1.1 of IS 4033 : 1968.

8 MARKING

8.1 The marking shall be in accordance with 7.1 of IS 4033 : 1968.

8.2 BIS Certification Marking

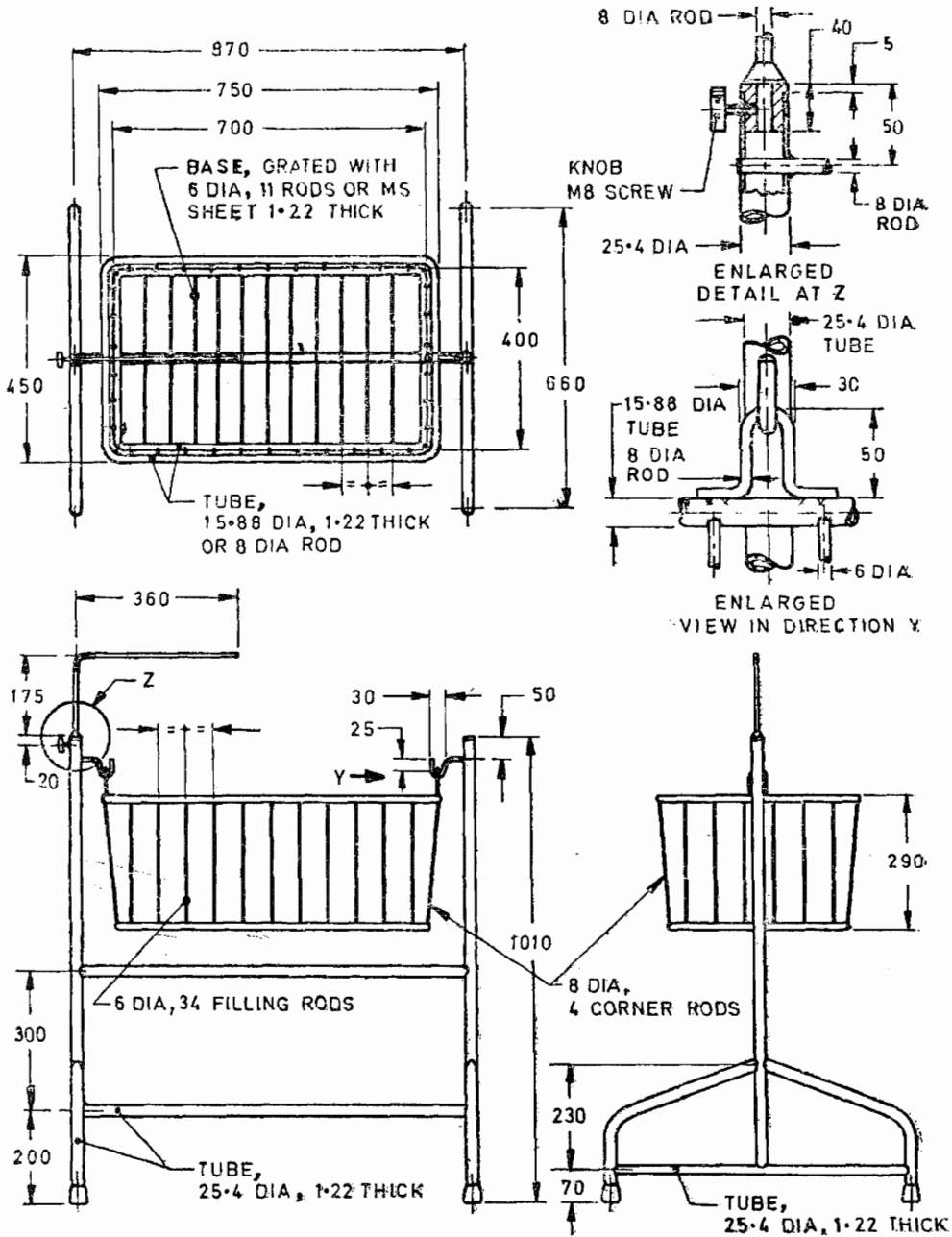
The product may also be marked with the Standard Mark.

8.2.1 The use of the Standard Mark is governed by the provisions of Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The details of conditions under

which the licence for the use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

9 PACKING

9.1 The packing shall be as agreed to between the purchaser and the manufacturer.



All dimensions in millimetres.

FIG. 1 CRIB (OR CRADLE), MATERNITY

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Indian Standards are reviewed periodically and revised, when necessary and amendments, if any, are issued from time to time. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition.

This Indian Standard has been developed from Doc : No. MHD 14 (2248)

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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